

Poster sessions program

Monday, 23rd September 2024

1.	Damian Nowak, Szymon Grzywa, Conductivity cell made in LTCC and 3D printing technology
2.	Jaroslav Domaradzki, Damian Wojcieszak, Michal Mazur, Magdalena Milek, Meike Denker, Sebastian Müller, Henning Zeidler, Sindy Fuhrmann, Diego Pozo-Ayuso, Electrical properties of selected types of glass as candidates for the manufacture of metal-glass structures by melt extrusion
3.	Magdalena Nizioł, Piotr Jankowski-Mihułowicz, Mariusz Węglarski, Determination of the parameters of Radio Frequency Identification transponder antennas in non-planar structures
4.	Andrzej Kiernich, Jerzy Kalenik, Wojciech Stęplewski, Marek Kościelski, Impact of particular stages of the manufacturing process on the reliability of flexible printed circuits
5.	Milena Kiliszkiwicz, Jarosław Domaradzki, Witold Posadowski, Paulina Kapuścik, Stanisław Wojtowicz, Investigation of electrical and optical properties of transparent semiconducting (Al-Cu)Ox p-type thin films prepared by magnetron co-sputtering
6.	Marcin Małys, Paulina Pazdrak, Michał Struzik, Bartłomiej Lemieszek, Sebastian Molin, Brigita Abakevičienė, Tomas Tamulevičius, Wojciech Wróbel, Investigation of the electrical properties of thin films of GDC/YSZ/SGDC electrolytes in systems used for the construction of solid oxide micro-fuel cells μ -SOFC
7.	Jaroslav Kita, Johanna Baumgärtner, Ralf Moos Next steps in the development of a ceramic DSC sensor
8.	Ewa Mańkowska, Michał Mazur, Agata Obstarczyk, Milena Kiliszkiwicz, Patrycja Pokora, Paulina Kapuścik, Dependence of elemental composition in CuTiOx thin films on gas sensing properties
9.	Marcin Myśliwiec, Ryszard Kisiel, Pressureless die attach of bare Si chips for Photonic Integrated Circuits applications
10.	Nikita Bailiuk, Mariusz Węglarski, The Society 5.0 Smart City concept with IQRF enhancement communication
11.	Bartłomiej Podsiadły, Kacper Dembek, Marcin Słoma, Effect of ultraviolet post-curing on the mechanical and electrical properties of polymer and nanocomposite resins for stereolithography 3D printing
12.	Monika Kosowska, Małgorzata Szczerska, Fiber optic sensors with diamond structures: development and applications
13.	Samih Haj Ibrahim, Damian Koszelow, Sebastian Molin, A numerical model for the high-temperature oxidation of porous Fe-Cr steels
14.	Mohammad Taghi Tourchi Moghadam, Karolina Cysewska, PEDOT:PSS as Interface Coating Material For Neural Electrodes – Optimization of Fabrication Parameters
15.	Aleksander Mroziński, Joanna Pośpiech, Krzysztof Braun, Sebastian Wachowski, Sebastian Molin, The influence of ceramic application technology on the physicochemical properties and electrochemical performance of oxygen electrode for SOFC application
16.	Przemysław Ptak, Krzysztof Górecki, Agata Skwarek-Illes, The influence of aging processes on the characteristics of power LEDs soldered using different solder pastes

17.	Afrodyta Daskalakis, Patrycja Suchorska-Woźniak, Ryszard Korbutowicz, Aleksandra Łazarek, Helena Teterycz, Holder for substrates with semiconducting Ga ₂ O ₃ , printed by additive manufacturing for photocatalytic application
18.	Naveed Ahmed, Maciej Haras, Thomas Skotnicki, Numerical modelling of bi-stable membrane for harvesting in terrestrial and space applications
19.	Kacper Skrobacz, Piotr Jankowski - Miłułowicz, Mariusz Węglarski, Method for determining RFID chip impedance
20.	S. Karcz, M. Kocoń, A. Paleczek, D. Grochala, K. Staszek, A. Rydosz, Multi-sensor system for NO ₂ detection in the microwave frequency range - theoretical and experimental results
21.	Maciej Fokt, Agata Jasik, Krzysztof Czuba, Adam Korczyk, Design of high-speed MWIR photodetector based on InAs/GaSb T2SL
22.	Anna Ziobro, Piotr Jankowski-Miłułowicz, Mariusz Węglarski, Patryk Pyt, The influence of the design of antenna and chip coupling circuits on the performance of textronic UHF RFID transponders
23.	Agata Ducka, Patryk Błaszczak, Beata Bochentyn, Enhanced nanoparticle exsolution in Ni-doped strontium ferrite molybdates: impact of the phase transition
24.	Patryk Błaszczak, Agata Ducka, Krzysztof Matlak, Francesco d'Acapito, Beata Bochentyn, Piotr Jasiński, Enhanced H ₂ O and CO ₂ electrolysis at high temperature using SOEC modified with transition metal nanoparticles
25.	Wiktoria Kąkol, Agata Ducka, Patryk Błaszczak, Piotr Jasiński, Beata Bochentyn, Altering electrochemical properties of the LSFM double perovskite via Co doping
26.	Szymon Stachowski, Patryk Błaszczak, Piotr Jasiński, Enhancement of the densification process of 8YSZ using various sintering aids. Influence of the metal oxides on the ionic conductivity
27.	Krzysztof Rekowski, Patryk Błaszczak, Piotr Jasiński, Impact of different sintering aids on electrochemical performance of CGO20 interlayer for SOEC
28.	Natalia Zalewska, Mohammad Taghi Tourchi Moghadam, Karolina Cysewska, Development of Flexible PEDOT:PSS-based Electrode for Neural Electrostimulation
29.	B. Lemieszek, M. Małys, M. Struzik, P. Jasiński, S. Molin, Structural and electrochemical characterization of praseodymium oxide as a high-performance oxygen electrode in intermediate solid oxide cells
30.	Katarzyna Ostrowska, Sebastian Molin, Preparation of electrodes for alkaline water electrolyzers by dip-coating of ceramic precursors
31.	Gabriela Małyszko, Piotr Jasiński, Sylwia Pawłowska, Conductive carbon based hydrogel: preparation and their electrochemical and electrical properties
32.	Maryam Mehdizade, Sebastian Molin, Preparation Ce-based defective oxide thin films by spray pyrolysis method
33.	Jakub Pawłowski, Katarzyna Ostrowska, Sebastian Molin Alkaline water electrolysis
34.	Kazimierz Kamuda, Dariusz Klepacki, Wiesław Sabat, Kazimierz Kuryło, Mariusz Skoczylas, Piotr Jankowski – Miłułowicz Efficiency measurements of energy harvesting from electromagnetic environment for selected general purpose telecommunication systems

Tuesday, 24th September 2024

1.	Marek Guziewicz, Wojciech Jasiński, Andrzej Molenda, Beata Stańczyk, Ewelina B. Możdżyńska, Ewa Dumiszewska, Kinga Kościwicz Study on Electrical Transport Properties of BGaN Layers
2.	Krystyna Schneider, Barbara Dziurdzia, Katarzyna Zakrzewska SnO ₂ Thin Film of NO ₂ Gas Sensor Studied by the Impedance Spectroscopy
3.	Jakub Gierowski Simulation of multilayer Fabry-Perot interferometer with comparison to experiment data
4.	Balázs Illés, Krzysztof Szostak, Agata Skwarek Corrosion-induced Sn whisker growth from SAC0307-CuO/ZrO ₂ composite solder joints
5.	Barbara Dziurdzia, Krystyna Schneider, Joanna Banaś-Gac, Katarzyna Zakrzewska Humidity sensing of thin-films by means of impedance spectroscopy
6.	Mateusz Kubaszek, Jan Macheta, Łukasz Krzak, Cezary Worek Performance estimation of large-scale wireless seismic sensor network
7.	Krzysztof Szostak, Bartosz Sikora, Beata Synkiewicz-Musialska LTCC substrates for infrared radiation sources of a Photonic Integrated Circuit (PIC) systems – study of heat transfer efficiency
8.	Piotr M. Markowski, Jan Matczuk Increasing the output voltage of a thermoelectric microgenerator
9.	Wojciech Filipowski Efficiency improvement of crystalline silicon solar cells by using liquid dopant solution in diffusion process
10.	Sergiusz Patela, Krzysztof Niewęglowski, Patrycja Śniadek, Karolina Laszczyk, Victoria Constance Köst, David Weyers, Ivana Lettrichova, Dušan Pudiš, Karlheinz Bock, Rafał Walczak 3D Printing in Higher Education of Electronics: Current Status and Future Directions
11.	Mohsen Khodadadiyazdi, Aiswarya Manohar, Jacek Ryl Development of Prussian Blue-Coated Laser-Induced Graphene Electrodes for High-Performance Non-Enzymatic Glucose Sensing
12.	Paweł Górecki, Krzysztof Górecki Influence of the relation between the period of active thermal cycles and thermal time constants of power transistors on time to failure
13.	Sanju Gupta, Robert Bogdanowicz Development of 'Artificial' Memristive Synapses using Various sp ² C (graphene-like)-sp ³ C (diamond) Heterojunctions as Neuromorphic Devices
14.	Sanju Gupta, Shubin Yang, Franciszek Skiba, Robert Bogdanowicz Development of Asymmetric Flexible Micro-Supercapacitors from MXene and Laser Induced Porous Graphene (MXene-LIPG)
15.	Szymon Wójcik, Mirosław Gierczak, Nana Brguljan, Slavko Bernik, Andrzej Dziedzic Thick-film Ca _{2.7} Bi _{0.3} Co ₄ O ₉ -Ag thermocouples and thermoelectric microgenerators
16.	Michał Babij, Piotr Bielówka, Karol Malecha The multichannel, femtocoulomb range electronic readout for GEM detectors with LTCC input circuits
17.	Łukasz Nowicki, Sandra Lepak-Kuc, Agnieszka Łękawa-Raus Synthesis of carbon nanotubes using higher alkanes as a carbon source

18.	Maurycy Maziuk, Jarosław Domaradzki, Laura Jasińska, Urszula Wawrzaszek Multispectral imaging of defects in photovoltaic cells
19.	Krzysztof Czuba, Agata Jasik, Paweł Kozłowski, Iwona Sankowska, Marta Różycka, Adam Łaszcz, Maciej Fokt High-Operating Temperature InAs/GaSb type-II Superlattice-based Mid-Infrared Focal Plane Arrays
20.	Mateusz Kocoń, Barbara Swatowska, Janusz Teneta Multi-channel measurement and diagnostics system for single-cell photovoltaic modules with real-time energy conversion optimization
21.	Marek Kościelski, Wojciech Steplewski, Aneta Chołaj, Adam Lipiec, Tomasz Klej, Dariusz Ostaszewski, Dorota Liszewska, Anna Sitek Technology of embedding components for special applications
22.	Stefania Wolff, Wiktoria Lipińska, Natalia Wójcik, Katarzyna Siuzdak Influence SILAR conditions on the performance of semitransparent heterojunction based on hydrogenated nanotubes decorated with bismuth sulfides
23.	Kacper Mróz, Katarzyna Ostrowska, Sebastian Molin Optimizing Nickel Electroplating for Enhanced Alkaline Electrolyzer Performance
24.	Izabela Lewandowska, Karolina Cysewska Development of a Conductive Polymer Mat for Wearable Electronics Applications
25.	Adam Władziński, Małgorzata Szczerska, Marcin Gnyba Biomarker Identification in Wastewater Phantoms Using Raman Spectroscopy Supported by Machine Learning Algorithms
26.	Patryk Sokołowski, Wiktoria Brzezińska, Joanna Raczak-Gutknecht, Paweł Wityk Fibre optic sensor for DNA of viruses detection: a preliminary study
27.	Paweł Jakóbczyk, Michał Suplewski, Jakub Gierowski, Mirosław Sawczak, Monika Kosowska, Małgorzata Szczerska Cellulose coating of 2D Electronic Materials
28.	Karolina Rychert, Patryk Sokołowski, Jacek Łubiński, Małgorzata Szczerska Using fiber optic for measured surfaces conditions
29.	Maryam Mehdizade, Sebastian Molin Deposition of the novel $Mn_{1.5}CuFe_{0.5}$ protective coating on metallic interconnects by spray pyrolysis method
30.	Justyna Ignaczak, Sebastian Molin and Piotr Jasiński Electrophoretically deposited iron substituted manganese- copper spinel coatings for prevention of chromium poisoning in Solid Oxide Fuel Cells
31.	Omid Ekhlasiogouei, Piotr Jasinski, Sebastian Molin Preparation of $MnCo_2O_4$ and $Mn_{1.7}CuFe_{0.3}O_4$ spinel-based protective coatings on low-cost stainless steel
32.	Md Sohanur Rahman, Sebastian Molin Development and Optimization of Novel Bifunctional Raney Nickel Electrocatalysts for High-Performance Alkaline Electrolysers
33.	Zaeem Ur Rehman, Sebastian Molin Optimization of Electrospinning Parameters for synthesis of $La_{0.7}Sr_{0.3}Co_{0.5}Mn_{0.5}O_3$ nanofibers
34.	Grzegorz Jasiński, Paweł Kalinowski, Piotr Jasiński Operating temperature of the semiconducting of semiconducting gas sensors sensing properties in ethanol, acetone and ammonia
35.	Agnieszka Drewniak, Jakub Karczewski, Piotr Jasiński, Sebastian Molin Short-term high-temperature oxidation of alloy powders